

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A color matching server for converting color data based on color matching information that permits reproduction of prescribed standard colors, wherein said color matching server can communicate with a client, and wherein said color matching server is operable to:

acquire from said client data relating to actual colors printed by a printer associated with said client;

create said color matching information based on said data relating to actual colors printed and data relating to said prescribed standard colors that effectively describes said prescribed standard colors; and

send the color matching information to said client, thereby allowing said client to use said color matching information to convert said color data to said prescribed standard colors.

2. (Previously Presented) A color matching client for converting color data to prescribed standard colors, wherein said client is operable to:

send to a server data of actual colors printed by a printer associated with said client in the environment of said client;

acquire color matching information for said actual colors from said server, wherein said color matching information permits reproduction of prescribed standard colors and is determined based on said data relating to actual colors printed and data relating to said prescribed standard colors that effectively describes said prescribed standard colors, thereby allowing said client to use said color matching information to convert said color data to said prescribed standard colors; and

convert color data based on said color matching information to said prescribed standard colors.

3. (Currently Amended) A print control server for performing color conversion based on prescribed color matching information that permits reproduction of prescribed standard colors at

the time of conversion into color data corresponding to a plurality of printing colorants upon input of print data, said print control server comprising:

- a measured data acquiring component capable of acquiring the measured data of the image for colorimetry having a plurality of tones for each of said printing colorants which is printed by said a print control client;

- a color matching information creating component capable of creating said color matching information based on the measured data of the image for colorimetry for said individual printing colorants and the measured data of said standard colors corresponding to the printing colorants which have previously been acquired; and

- a color matching information output component capable of outputting the color matching information.

4. (Previously Presented) A print control client capable of communicating with a print control server to perform conversion of color data based on color matching information that permits reproduction of prescribed standard colors at the time of conversion into color data corresponding to a plurality of printing colorants upon input of print data, said client comprising:

- a colorimetry image print controller capable of controlling the printing of images for colorimetry with a plurality of tones for each of said printing colorants to determine measured data;

- a receiver/sender capable of receiving the measured data of the images and sending it to said print control server;

- an acquiring component capable of acquiring said color matching information from said print control server; and

- a convertor capable of converting said print data into said color data based on said color matching information.

5. (Original) A print control server as defined in Claim 3, wherein the measured data of said print control client is lightness data of the image for colorimetry with a plurality of tones for each of said printing colorants.

6. (Previously Presented) A print control client as defined in Claim 4, wherein the measured data of said image for colorimetry is lightness data and said receiver/sender receives the input of the lightness data of the image for colorimetry and sends it to said print control server.

7. (Previously Presented) A print control system that includes: (a) a print control client for color conversion based on prescribed color matching information that permits reproduction of prescribed standard colors at the time of printing using color data at the time of conversion into color data corresponding to a plurality of printing colorants upon input of print data, and (b) a print control server which is connected for two-way communications to the print control client and which creates said color matching information and sends it to said print control client,

wherein said print control client comprises:

a colorimetry image print controller capable of controlling the printing of colorimetry images with a plurality of tones for each of said printing colorants;

a lightness data receiver/sender capable of receiving the input of the lightness data of said colorimetry image and sending it to said print control server; and

a color matching information acquisition component capable of acquiring said color matching information from said print control server;

wherein said print control server comprises:

a standard color lightness data storing region in which is stored the lightness data of said standard color;

a lightness data acquisition component capable of acquiring the lightness data of the colorimetry image for each of said printing colorants which is printed by said print control client;

a color matching information creating component capable of creating said color matching information based on the lightness data of the colorimetry image for each of said printing colorants and the lightness data of said standard colors corresponding to the printing colorants; and

a color matching information output component capable of outputting to said print control client the color matching information

8. (Previously Presented) A print control system as defined in Claim 7, wherein said print control client further includes an image data sending component capable of acquiring image data from an image capturing equipment to capture image data of an image for colorimetry and sending it to said print control server, and said lightness data acquisition component converts the image data entered from said print control client into the lightness data, thereby acquiring the lightness data of said image for colorimetry.

9. (Original) A print control system as defined in Claim 8, wherein said image capturing equipment is a scanner.

10. (Original) A print control system as defined in Claim 7, wherein said color matching information is a tone value correction table which makes the tone value of the color data converted from said print data correspond to the tone value for color reproduction to match said standard color with printing colorants corresponding to said color data.

11. (Original) A print control system as defined in Claim 7, wherein said color matching information is provided in the form of color conversion table in which the relation between input and output is corrected.

12. (Previously Presented) A print control system as defined in Claim 7, wherein said print control client includes a first and second print control clients,

said first print control client comprising a standard color lightness data sending component capable of receiving the input of the lightness data of said standard colors and sending to said print control server the lightness data of standard colors which has been entered;

said print control server comprising a standard color lightness data storing component capable of storing in said standard color lightness data storing region the lightness data of said standard colors which is entered from said first print control client; and

wherein said color matching information output component outputs to said second print control client said color matching information which has been created based on the lightness data of said standard colors entered from said first print control client.

13. (Previously Presented) A print control system as defined in Claim 12, wherein the standard color lightness data storing component of said print control server is capable of storing said lightness data entered from a plurality of said first print control clients for the first print control clients individually, said print control server has a list outputting component capable of creating a list of the first print control clients which entered the lightness data and outputting it to said second print control client;

said second print control client has a select input receiving component capable of selecting a specific first print control client based on the list output by said list output component, and a select result output component capable of sending data to the selected specific first print control client;

said color matching information creating component capable of specifying the lightness data of said standard colors based on said selected specific first print control client, thereby creating said color matching information corresponding to the lightness data of said second print control client; and

said color matching information output component capable of outputting said color matching information to said second print control clients.

14. (Previously Presented) A print control system as defined in Claim 7, wherein said print control client has an identification information sending component capable of acquiring the identification information of the equipment which reproduces colors with said printing colorants and sending it to said print control server, and said color matching information creating component is capable of creating said color matching information based on the lightness data of said standard colors corresponding to the identification information entered from said print control client.

15. (Previously Presented) A print control method to be carried out by a print control server which is connected for two-way communications to a print control client to perform conversion based on prescribed color matching information that permits reproduction of prescribed standard colors at the time of conversion into color data corresponding to a plurality of printing colorants upon input of print data and which creates said color matching information based on data measured by said print control client and sends it to said print control client, said method comprising:

acquiring measured data of colorimetry images with tones for individual printing colorants which are printed by said print control client;

creating said color matching information based on the measured data of colorimetry image for each of said printing colorants and the measured data of said standard colors corresponding to said printing colorants which have previously been obtained; and

outputting the color matching information to said print control client.

16. (Previously Presented) A computer readable medium storing therein a print control computer program code for a print control server for color conversion based on prescribed color matching information that permits reproduction of prescribed standard colors at the time of conversion into color data corresponding to a plurality of printing colorants upon input of print data, said computer readable medium comprising:

computer program code for acquiring measured data of colorimetry images with tones for individual printing colorants which are printed by said print control client;

computer program code for creating said color matching information based on the measured data of colorimetry image for each of said printing colorants and the measured data of said standard colors corresponding to said printing colorants which have previously been obtained; and

computer program code for outputting the color matching information.

17. (Previously Presented) A profile providing server which comprises:

a communicating component capable of transmission and reception of data through a communication line;

a read color data acquisition component capable of acquiring through said communication line the read color data obtained by reading with a prescribed image input device the color charts printed by a specific printing device based on prescribed print color data;

a color character description data acquisition component capable of acquiring through a prescribed interface the color character description data to match the print color data of the image input device with the prescribed standard color space coordinate values;

a profile data creating component capable of creating the profile data defining correspondence between the printed color data and the prescribed standard color space coordinate values by matching the read color data with the standard color space coordinate value with reference to the color character description data; and

a profile data output capable of outputting through the communication line the thus created profile data.

18. (Previously Presented) A profile demanding client to connect and control a printing device and an image input device and to demand a profile of the printing device for an external server, which comprises:

a color chart print demand receiving component capable of receiving a demand to print a prescribed color chart by said printing device;

a printing control component capable of controlling the print execution by said printing device based on a prescribed printing color data in compliance with the printing demand from said color chart print demand receiving component;

a color chart reading demand receiving component capable of receiving a demand to read by said image input device the color chart printed in accordance with the control effectively provided by said print control component;

an image input device control component capable of controlling said image input device in compliance with the read demand from said color chart reading demand receiving component and acquiring the read color data of said color chart;

a color character description data acquisition component for controlling said image input device and acquiring the color character description data previously stored in said image input device, said data matching the read color data with the prescribed standard color space coordinate value and being measured for the individual input image devices;

a communication component capable of transmission and reception of data through a communication line;

a data output component capable of outputting said printing color data, said read color data, and said color character description data through said communication component; and

a profile data acquisition component capable of acquiring the profile data of the printing device through said communication component.

19-35. (Canceled)